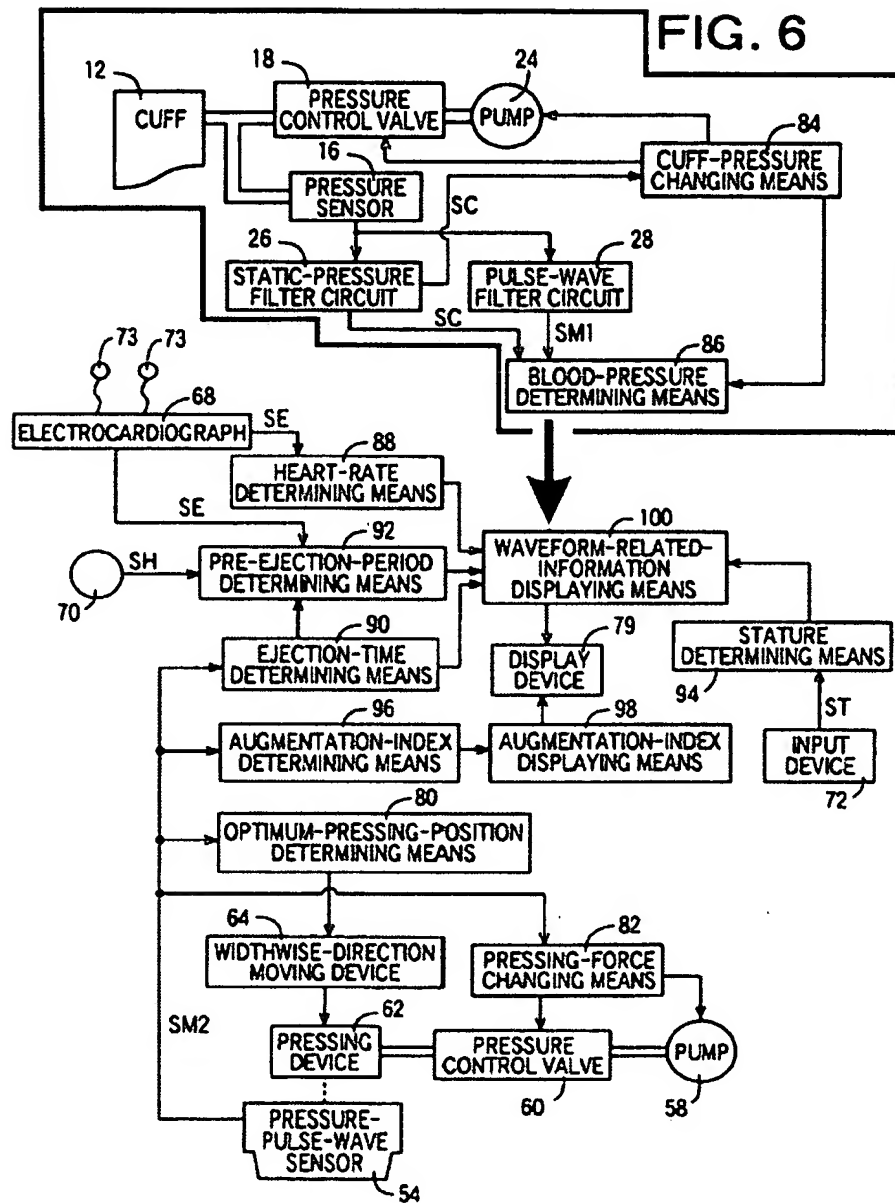


Picture 1: Classification of devices obtaining cardiovascular status of a patient



Picture 2: Figure 6 published in Ogura 754 with slight modification for better understanding
 The cuff is connected only to the blood pressure determining means (blue border), which transmits (red arrow) only three blood pressure values to the displaying means and therefore is not involved in the pressure wave analysis.

FIG. 2

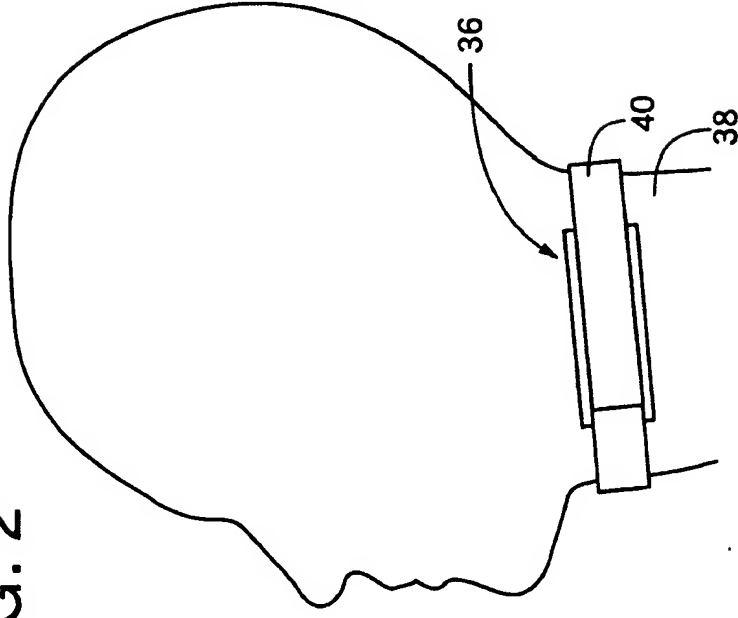
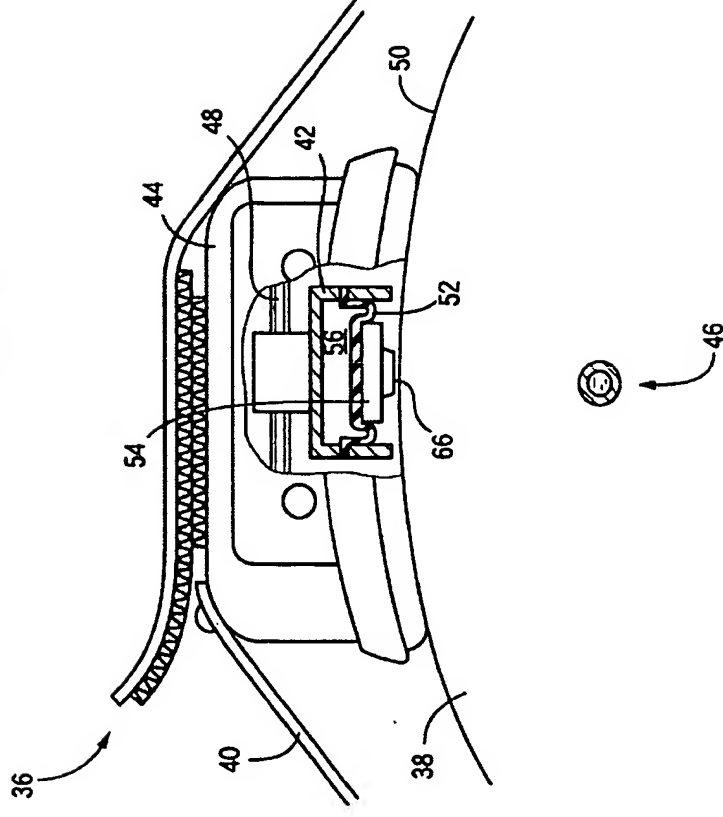


FIG. 3



Picture 3: Figure 2 and 3 published in Ogura 754 – it can be seen that the measurement is carried out with use of a piezoelectric sensor (66) on the neck

Applanation tonometry

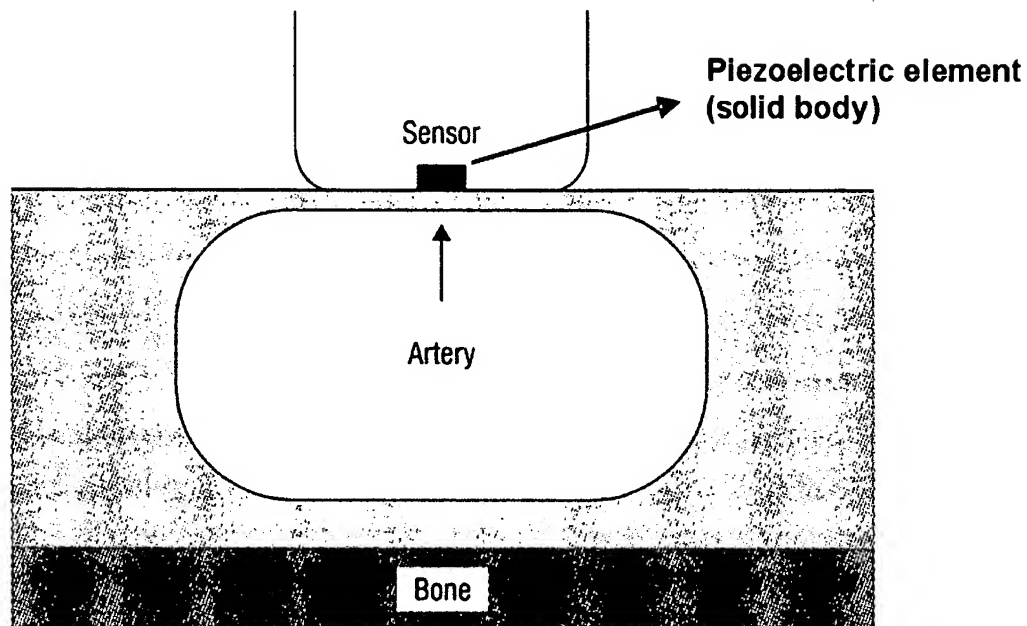


Figure 26.3 *The theory of applanation tonometry. When the flat sensor flattens the wall of an artery, tangential pressures are eliminated and the sensor is exposed to the pressure within the artery, which it records accurately. Reproduced from Kelly et al. (1989a)*

Picture 4: Basic principle of applanation tonometry

[McDonald's Blood Flow in Arteries – Theoretical, experimental and clinical principles;

Fifth Edition; Wilmer W. Nichols and Michael F. O'Rourke; 2005 Oxford University Press Inc. NY10016; Page: 466]